

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/544,284B
Source: IFWP
Date Processed by STIC: 2/10/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/544,284B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.

3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the **only valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 Use of <220>
 → Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" **can only represent a single nucleotide**; "Xaa" **can only represent a single amino acid**



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/544,284B

DATE: 02/10/2007
TIME: 09:53:52

Input Set : A:\corrected 70235USPCT.ST25.txt
Output Set: N:\CRF4\02102007\J544284B.raw

3 <110> APPLICANT: Brown, Devon
4 Campos, Manuel
5 Dalmia, Bipin
6 Demarest, Stephen
7 Hansen, Genevieve
8 Heifetz, Peter B.
10 <120> TITLE OF INVENTION: Expression in plants of antibodies against enterotoxigenic
11 Escherichia coli
13 <130> FILE REFERENCE: 70235USPCT
15 <140> CURRENT APPLICATION NUMBER: 10/544,284B
16 <141> CURRENT FILING DATE: 2005-08-02
18 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/001427
19 <151> PRIOR FILING DATE: 2004-02-16
21 <150> PRIOR APPLICATION NUMBER: US 60/448,429
22 <151> PRIOR FILING DATE: 2003-02-18
24 <160> NUMBER OF SEQ ID NOS: 80
26 <170> SOFTWARE: PatentIn version 3.3
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 399
30 <212> TYPE: DNA
31 <213> ORGANISM: artificial sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: codon optimised
36 <400> SEQUENCE: 1
37 actagtgagg tgcagtcgt ggagtccggc ggccgttcg tgaagccggg cggctccctc
39 aagctctcct gcgcgcctc cggcttcacc ttctccgact acttcatgtc ctggattcgc
41 cagaccccg agaagcgcct ggagtgggtc gccaccatca acaacggcg ctcccacacc
43 tactgctccg acaacgtgaa gggccgttcc accacccccc ggcacaacgt gaagaacacc
45 ctctacctcc agatgtcctc cctcaacttc gaggacaccg ccatgtacta ctgcgcggc
47 gcctactacc gttcgacgt ggcgcctgg ttctccact gggccaggg caccctcgta
49 accgtgttca cggccaaagac caccggccg tccgtctac
52 <210> SEQ ID NO: 2
53 <211> LENGTH: 582
54 <212> TYPE: DNA
55 <213> ORGANISM: artificial sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: codon optimised
60 <400> SEQUENCE: 2
61 agtgacatcc tcctcaccca gtccccggcc atccttcca tgatcccgcc ccagcgcgtg
63 tccttctcct gcgcgcctc ccagatcattt ggcaccatca tccactggtc ccagcgcgc
65 accgacggct ccccgccctt cctcatccat tgcgcctccg agtccatctc cggcatcccg
67 tcccgcttcc cggcaccgg ctccggcacc gacttcaccc tcaacttcaa ctccgtggag
69 tccgagtaca tcaccgacta ctactgcccag cagtccaa cttggccgac ctaccgttc

see pp 1-46

*Does Not Comply
Corrected Diskette Needed*

what is its source? (e.g., viral?)

see item 11

*in End
summary
sheet*

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Input Set : A:\corrected 70235USPCT.ST25.txt

Output Set: N:\CRF4\02102007\J544284B.raw

71 ggcggcggca ccaagctcga gatcaagcgc gccgacgccc cccgaccgt gtccatcttc 360
 73 ccggccgtcct ccgagcagct cacctccggc ggcgcgtccg tgggtgtgctt cctcaacaac 420
 75 ttctaccggaa aggacatcaa cgtgaagtgg aagatcgacg gctccgagcg ccagaacggc 480
 77 gtgtcaact cctggaccga ccaggactcc aaggactcca cctactccat gtcctccacc 540
 79 ctcaccctca ccaaggacga gtacgagcgc cacaactcct ac 582
 82 <210> SEQ ID NO: 3
 83 <211> LENGTH: 399
 84 <212> TYPE: DNA
 85 <213> ORGANISM: mouse
 87 <400> SEQUENCE: 3
 88 actagtgaag tgcaactggg ggaggcttcg tgaagcctgg agggccctg 60
 90 aaactctcct gtgcagccctc tggattcaact ttcagtact atttcatgtc ttggattcgc 120
 92 cagactccgg aaaagaggct ggagtgggtc gcaaccattaaataatgggtgg tagtcacacc 180
 94 tactgttcag acaatgtgaa gggacgattt acaacttca gagacaatgt caaaaacacc 240
 96 ctgtaccttc aaatgagcag tctgaacttt gaggacacag ccatgtattatctgtcaaga 300
 98 gcctactata ggttcgacgt gaggccctgg ttttcttatt ggggccaagg gactctggtc 360
 100 actgtctcta cagccaaaac gacacccca tctgtctac 399
 103 <210> SEQ ID NO: 4
 104 <211> LENGTH: 330
 105 <212> TYPE: DNA
 106 <213> ORGANISM: mouse
 108 <400> SEQUENCE: 4
 109 actagtgaca tcttgcgtac tcagtctcca gccatccgt ctatgatccc aagacaaaaga 60
 111 gtcagtttct cctgcaggcc cagtcagatc attggcacaa ccatacactg gtctcagcaa 120
 113 agaacagatg gttctcttag gttctctata cagtggtcgtt ctgagtcattatctgggatc 180
 115 cttccaggt ttatggcac tggatcaggg acagattta ctcttaactt caacagtgtg 240
 117 gagtctgaat atattacaga ttattactgt caacaaagta atacctggcc aacgtacccg 300
 119 ttcggagggg ggaccaagct cgagataaaa 330
 122 <210> SEQ ID NO: 5
 123 <211> LENGTH: 396
 124 <212> TYPE: DNA
 125 <213> ORGANISM: artificial sequence
 127 <220> FEATURE:
 128 <223> OTHER INFORMATION: codon optimised
 130 <400> SEQUENCE: 5
 131 actagtgacg tgcagctcggt ggagtccggc ggcggcctcg tgcagccggg cggctccgc 60
 133 aagctctcct gcgccgcctc cggcttcacc ttcttccttc tgcgcattca ctgggtgcgc 120
 135 caggccccag agaaggccct ggagtgggtg gcctacatct cctccggctc catcaccatc 180
 137 tactacccgc acaccgtgaa gggccgccttc accgtgtccc ggcacaaacc gaagtccacc 240
 139 ctcttcctcc agatgacctc cctccgcagc gaggacaccg ccatgtacta ctgcggccgc 300
 141 gacgactacg gtcctccgg ctggtaacttc gacgtctggg ggcgtggcac cacggtgacc 360
 143 gtgtcctcgg ccaagaccac cccggcgtcc gtctac 396
 146 <210> SEQ ID NO: 6
 147 <211> LENGTH: 336
 148 <212> TYPE: DNA
 149 <213> ORGANISM: artificial sequence
 151 <220> FEATURE:
 152 <223> OTHER INFORMATION: codon optimised
 154 <400> SEQUENCE: 6

RAW SEQUENCE LISTING

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Input Set : A:\corrected 70235USPCT.ST25.txt

Output Set: N:\CRF4\02102007\J544284B.raw

155	actagtgaca	tcgtgatgtc	ccagtcccg	tcctccctcg	ccgtgtccgc	tggcgagaag	60
157	gtcaccatgt	cctgcaagtc	ctccccagtc	ctccctcaact	cccgcaccccg	caagaactac	120
159	ctcgccctgg	atcagcagaa	gcccggccag	tccccgaagc	tcctcatcta	ctgggcctcc	180
161	acccgcgagt	ccggcgtgcc	gjacccgctc	accggctccg	gctccggcac	cgacttcacc	240
163	ctcaccatct	cctccgtgca	ggcggaggac	ctcgccgtgt	actactgcac	ccagtcctac	300
165	aacctcctca	ccttcggcgc	cggtaccaag	ctcgag			336

168	<210>	SEQ ID NO: 7					
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169	<211>	LENGTH: 393					
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170	<212>	TYPE: DNA					
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171	<213>	ORGANISM: artificial sequence					
-----	-------	-------------------------------	--	--	--	--	--

173	<220>	FEATURE:					
-----	-------	----------	--	--	--	--	--

174	<223>	OTHER INFORMATION: anti0k88 codon optimised VH from 36-41					
-----	-------	---	--	--	--	--	--

176	<400>	SEQUENCE: 7					
-----	-------	-------------	--	--	--	--	--

What is?
Source?

177	actagtgagg	tccagctgca	gcagtctgga	cctgaactag	tgaagactgg	ggcttcagtg	60
179	aagatatcc	gcaaggcttc	tgattactca	ctcaactgatt	actacatgca	ctgggtcaag	120
181	cagagccatg	gagagagcct	tgagtgaggatt	ggatataatttta	atttttacaa	ttgtgctact	180
183	aactacaacc	agaaggtaaa	gggcaaggcc	acatttactg	tagacacatc	ctccagcaca	240
185	gtctacatgc	agttcaacag	cctgacatct	gaagactctg	cggtcttata	ttgtgttaaga	300
187	gaagcattac	tacogaacaa	tgctatggac	tactggggtc	aaggaacotc	agtcaaccgtc	360
189	tcctcagcca	aaacgacacc	cccatctgtc	tac			393

192	<210>	SEQ ID NO: 8					
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193	<211>	LENGTH: 324					
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194	<212>	TYPE: DNA					
-----	-------	-----------	--	--	--	--	--

195	<213>	ORGANISM: artificial sequence					
-----	-------	-------------------------------	--	--	--	--	--

197	<220>	FEATURE:					
-----	-------	----------	--	--	--	--	--

198	<223>	OTHER INFORMATION: anti0K88 codon optimised VL from 36-41					
-----	-------	---	--	--	--	--	--

200	<400>	SEQUENCE: 8					
-----	-------	-------------	--	--	--	--	--

201	actagtaaaa	atgtgctcac	ccagtctcca	gcaatcatgt	ctgcacatctcc	aggggaaaag	60
203	gtcaccatga	cctgcagggc	cagctcaagt	gtaagttccc	gttacttgca	ctgggtaccag	120
205	cagaagtcag	gtgcctcccc	caaactctgg	atttatagca	catccaactt	ggcttctgg	180
207	gtccctgctc	gcttcagtgg	cagtgggtct	gggacctctt	actctctcac	aatcagcagt	240
209	gtggaggctg	aagatgctgc	cacttattac	tgccagcaat	acagtggta	cccggtggacg	300
211	ttcggtgag	gcaccaagct	cgag				324

214	<210>	SEQ ID NO: 9					
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215	<211>	LENGTH: 408					
-----	-------	-------------	--	--	--	--	--

216	<212>	TYPE: DNA					
-----	-------	-----------	--	--	--	--	--

217	<213>	ORGANISM: artificial sequence					
-----	-------	-------------------------------	--	--	--	--	--

219	<220>	FEATURE:					
-----	-------	----------	--	--	--	--	--

220	<223>	OTHER INFORMATION: anti0K88 codon optimised VH from 7-46					
-----	-------	--	--	--	--	--	--

222	<400>	SEQUENCE: 9					
-----	-------	-------------	--	--	--	--	--

223	actagtgaag	tgaagttga	ggagtctgga	ggaggcttgg	tgcaacctgg	aggatccatg	60
225	agactctcc	gtgttgcc	tggattca	ttcagtaact	actggatgaa	ctgggtccgc	120
227	cagtctcc	agaaggggct	tgagtgggtt	gctgaaattt	gattgacatc	taataatttt	180
229	gcaacacatt	atgcggagtc	tgtgaaagg	aggttcacca	tctcaagaga	tgattccaaa	240
231	agtatgtct	acctgcaa	at	gaacaactta	agagctgaag	acactggcat	300
233	accaggcct	actacgggtgg	tagttcttc	tactggta	tcgatgtctg	gggcgcaggg	360
235	accacggtca	ccgttcctc	aacccaaacg	acaccccat	ctgtctac		408

238	<210>	SEQ ID NO: 10					
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239	<211>	LENGTH: 324					
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Input Set : A:\corrected 70235USPCT.ST25.txt

Output Set: N:\CRF4\02102007\J544284B.raw

240 <212> TYPE: DNA
 241 <213> ORGANISM: artificial sequence *What is source?*
 243 <220> FEATURE:
 244 <223> OTHER INFORMATION: anti-K88 codon optimised VL from 7-46
 246 <400> SEQUENCE: 10

247	actagtaaaa ttgtgctcac ccagtctcca accaccatgg ctgcacatccc cggggagaag	60
249	at.cactatca cctgcagtgc cagctcaagt ataagttcca attacttgca ttgttatcg	120
251	cagaagccag gattctcccc taaactcttg atttata tagga catccaatct ggcttctgga	180
253	gtcccagttc gcttcagtgg cagtgggtct gggaccttctt actctctcac aattggcacc	240
255	atggaggctg aagatgttgc cacttactac tgccagcagg gtaatagtagt accattcacg	300
257	ttcggctcg ggacaaagct cgag	324
260	<210> SEQ ID NO: 11	
261	<211> LENGTH: 363	
262	<212> TYPE: DNA	
263	<213> ORGANISM: mouse	
265	<400> SEQUENCE: 11	
266	gatgtgcagc tggtgagtc tgggggaggc ttagtgcagc ctggagggtc ccggaaactc	60
268	tcctgtgcag cctctggatt cacttca gactttgaa tgcaactgggt tcgtcaggct	120
270	cagagaagg ggctggagtg ggtcgcatat attagtagtg gtagtattac catctat	180
272	gcagacacag tgaaggcccg attcaccgtc tccagagaca atcccaagag caccctgttc	240
274	ctgcaaatgaa ccagtcataag gtctaggac acggccatgt attactgtgc aagagacgac	300
276	tacggtagta gcgggtggta cttcgatgtc tggggcgcag ggaccacggt caccgtctcc	360
278	tca	363
281	<210> SEQ ID NO: 12	
282	<211> LENGTH: 350	
283	<212> TYPE: DNA	
284	<213> ORGANISM: mouse	
286	<400> SEQUENCE: 12	
287	gacattgtga tgcacagtc tccatcctcc ctggctgtgt cagcaggaga gaaggtcact	60
289	atgagctgaa aatccaa gatctgtc aacagtagaa cccgaaagaa ctacttggct	120
291	tggtaaccagg agaaaccagg gcagtctccct aaactgtcga tctactgggc atccactagg	180
293	aatctgggg tccctgatcg cttcacaggc agtggatctg ggacagatt cacyctcacc	240
295	atcagcagtg tgcaggctga agacctggca gtttattact gcacgcaatc ttataatctg	300
297	ctcacgttcg gtgctggac caagctggaa ctgaatcggg ctgatgtgc	350
300	<210> SEQ ID NO: 13	
301	<211> LENGTH: 410	
302	<212> TYPE: DNA	
303	<213> ORGANISM: mouse	
305	<400> SEQUENCE: 13	
306	gaggccaggc tgcagcagtc tggacctgaa ctgtgaaga ctggggcttc agtgaagata	60
308	tcctgcaagg cttctgatta ctcactca gattactaca tgcaactgggt caagcagac	120
310	catggagaga gccttgagtg gattggatatt attaattttt acaatggtgc tactaactac	180
312	aaccagaagt tcaaggccaa ggccacattt actgttagaca catcctccag cacagtctac	240
314	atgcagttca acagcctgac atctgaagac tctgcggctt attattgtgt aagagaagca	300
316	ttactacgga actatgttat ggactactgg ggtcaaggaa cctcagtcac cgtctccctca	360
318	gccaaaaacgca cacccccatac tgcatacca ctggccctca ctgtgtgc	410
321	<210> SEQ ID NO: 14	
322	<211> LENGTH: 317	
323	<212> TYPE: DNA	

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Input Set : A:\corrected 70235USPCT.ST25.txt..

Output Set: N:\CRF4\02102007\J544284B.raw

324 <213> ORGANISM: mouse
 326 <400> SEQUENCE: 14
 327 gaaaatgtgc tcaccaggc tccagcaatc atgtctgcat ctccagggaa aaaggtcacc 60
 329 atgacctgca gggccagctc aagtgtaaat tcccttact tgcaactgta ccagcagaag 120
 331 tcaggtgcct ccccaaact ctggatttat agcacatcca acttggcttc tggagtccct 180
 333 gctcgcttca gtggcagttgg gtctgggacc tcttactctc tcacaatccag cagtggtggag 240
 335 gctgaagatg ctgcccactta ttaactgcccag caatacagtg gttaccctgt gacgttcgg 300
 337 ggaggcccca agctggaa 317
 340 <210> SEQ ID NO: 15
 341 <211> LENGTH: 374
 342 <212> TYPE: DNA
 343 <213> ORGANISM: mouse
 345 <400> SEQUENCE: 15
 346 gaagtgaagc ttgaggaggc tggaggaggc ttgggtcaac ctggaggatc catgagactc 60
 348 tcctgtgttg cctctggatt cactttcagt aactactgga tgaactgggt ccggcagtct 120
 350 ccagagaagg ggctttagtgg ggttgctgaa attagattga catctaataa ttttgcacaa 180
 352 cattatgcgg agtctgtgaa agggaggttc accatctcaa gagatgattc caaaagtatg 240
 354 gtctacctgc aaatgaacaa ctttaagatg gaagacactg gcatttatta ctgtaccagg 300
 356 ctttactacg gtggtaggtt ctttactacgg tacttcgtatg tctggggcgc agggaccacg 360
 358 gtcaccgtct cctc 374
 361 <210> SEQ ID NO: 16
 362 <211> LENGTH: 318
 363 <212> TYPE: DNA
 364 <213> ORGANISM: mouse
 366 <400> SEQUENCE: 16
 367 gaaattgtgc tcaccaggc tccaaaccacc atggctgcat ctccggggaa gaagatcact 60
 369 atcacctgca gtggcagctc aagtataatg tccaaattact tgcaattgttca tcagcagaag 120
 371 ccaggattct cccctaaact cttgatttat aggacatcca atctggcttc tggagtccca 180
 373 gttcgcttca gtggcagttgg gtctgggacc tcttactctc tcacaattgg caccatggag 240
 375 gctgaagatg ttgcccactta ctactgcccag cagggtataa gtataccatt cacgttcggc 300
 377 tcggggacaa agctcgag 318
 380 <210> SEQ ID NO: 17
 381 <211> LENGTH: 134
 382 <212> TYPE: PRT
 383 <213> ORGANISM: artificial sequence
 385 <220> FEATURE:
 386 <223> OTHER INFORMATION: anti-K99 heavy chain variable region
 388 <400> SEQUENCE: 17
 390 Ala Thr Ser Glu Val Gln Leu Val Glu Ser Gly Gly Gly Phe Val Lys
 391 1 5 10 15
 394 Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
 395 20 25 30
 398 Ser Asp Tyr Phe Met Ser Trp Ile Arg Gln Thr Pro Glu Lys Arg Leu
 399 35 40 45
 402 Glu Trp Val Ala Thr Ile Asn Asn Gly Gly Ser His Thr Tyr Cys Ser
 403 50 55 60
 406 Asp Asn Val Lys Gly Arg Phe Thr Thr Phe Arg Asp Asn Val Lys Asn
 407 65 70 75 80
 410 Thr Leu Tyr Leu Gln Met Ser Ser Leu Asn Phe Glu Asp Thr Ala Met

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Input Set : A:\corrected 70235USPCT.ST25.txt
Output Set: N:\CRF4\02102007\J544284B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:18; Xaa Pos. 225,226

Seq#: 80; Xaa Pos. 2

VERIFICATION SUMMARY

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DATE: 02/10/2007

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Input Set : A:\corrected 70235USPCT.ST25.txt

Output Set: N:\CRF4\02102007\J544284B.raw

L:498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:224

L:1890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0